



October 27, 2017

R11379-2.6

Attn: Compliance Tracker, AE-17J
Air Enforcement and Compliance Assurance Branch
U.S. Environmental Protection Agency - Region 5
77 West Jackson Boulevard
Chicago, Illinois 60604

Ambient Air Lead Monitoring Report

Sampling Period of September 1 through October 1, 2017
Behr Site - 1100 Seminary Street – Rockford, Illinois 61104
Site ID No.: 201030AYB

To Whom This May Concern:

Introduction:

The Behr Site (Site) has implemented an ambient air monitoring program for lead and arsenic in accordance with USEPA Regions V's Request to Provide Information Pursuant to the Clean Air Act, dated May 5, 2015. An ambient air monitoring station has been installed in accordance with the approved *Ambient Air Lead Monitoring Station Siting Proposal* dated July 7, 2014. The site began operation on October 21, 2015. Station operating procedures, sample collection and handling procedures, and sample analytical methods and procedures have been performed in accordance with the revised *Quality Assurance Project Plan (QAPP)* dated January 31, 2017.

Beginning on October 21, 2015, 24-hour TSP samples were collected every third day, in accordance with USEPA's published ambient air sampling schedule (presented in Appendix A), and analyzed for lead (Pb) and arsenic (As)¹. Samples are held in sealed envelopes in a controlled area on site until a minimum of eleven samples have been collected. The samples are then sent to RTI International in Research Triangle Park, North Carolina for lead analysis, in accordance with the methods identified in the QAPP. A summary of individual lead measurements reported by RTI for all samples collected during this reporting period is presented in Appendix B.

The Site has also installed a meteorological station to simultaneously record barometric pressure, wind speed, and wind direction during *sample* collection periods. Met data for this reporting period is presented in Appendix C as 1-hour averages.

¹ The initial analytical requirements established by USEPA included lead and arsenic; however, as of October 6, 2016, based on previous analytical results, the requirement to analyze for arsenic was eliminated

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R11379-2.6

Ambient Air Lead Monitoring Station Monthly Report

Sampling Period of September 1 through October 1, 2017

Behr Site – Rockford, Illinois

Page 2



Summary of Ambient Air Monitoring Results for This Reporting Period:

A summary of the ambient air monitor measurements for sampling events performed on September 1 through October 1, 2017, is presented in Table 1 attached to this correspondence.

This table identifies the sampling date, sample duration, the 24-hour average temperature and barometric pressure data recorded by integrated sensors provided with the high volume sampler (used to adjust actual flow rate to standard conditions), average volumetric air sampling rate, total volume of air collected during each sampling event, as well as the analytical results for lead.

The total mass of lead on the filters (Column J) is divided by the total sample volume at standard conditions (Column H) to identify 24-hour average ambient air lead concentration in Column K.

The monthly mean is reported in Column L. The 3-month mean ambient lead concentration is presented in Column M and is reported as the average of the three most recent monthly means rounded to two significant digits for comparison to rolling 3-month average NAAQS lead standard. The analytical report from RTI International, (subcontracted for filter analyses), is presented in Appendix B.

The attached table also reports the daily average wind direction and daily average wind speed for each sampling day (Columns N and O respectively). The meteorological data for this reporting period is presented in Appendix C, which also includes an aerial photo of the facility identifying the location of the ambient air monitor with respect to the lead material processing building (Dock 25) and the three point sources of lead emissions.

The Site has retained RK & Associates to assist with submitting monthly lead monitoring reports. If you have any questions, or require any additional information please do not hesitate to contact John Pinion at 630-393-9000 (jpinion@rka-inc.com).

Yours very truly,

RK & Associates, Inc.

A handwritten signature in black ink, appearing to read "John G. Pinion".

John G. Pinion
Associate Engineer

cc: Ms. Sarah Schlichtholz – Director, Environmental and Community Affairs – Alter Treading Inc. – St. Louis, MO
Mr. Patrick Kohlmeier – Environmental Engineer – Behr Site – Rockford, IL
Mr. Eric Boyd – Thompson Colburn – Chicago, IL

Table 1. Summary of Ambient Air Lead Monitoring Results September 1 through October 1, , 2017
The Behr Site - Rockford, Illinois

Wind direction data includes
adjustment from Oct. 2016
Met Sta Performance Audit

Col -> A USEPA Lead Sample Day (Y)	B Day of Week	C Sample Collection Date	D Sample Duration (days)	E Avg. Temp °C	F Avg. Bar. Pres. mmHg	G Sample Rate / Volume		I Sampler Data Flags	J Lead ^a ug/filter	K Ambient Lead Concentration ^c			L Facility Met Data	
						Average Rate scfm	Total std m ³			Daily Average ug/m ³	Monthly Average ug/m ³	3-Month Rolling Average ^b ug/m ³	Daily Avg Wind Direction Degrees	Daily Avg Wind Speed mph
	Mon	07/03/17	24:00	25.00	742.00	42.80	1,746.89		54.24	0.031	0.026	0.05	127°	2.31
Y	Thu	07/06/17	24:00	30.60	739.00	41.90	1,710.14		15.62	0.009			271°	0.41
	Sun	07/09/17	24:00	27.20	738.00	42.60	1,736.02		30.34	0.017			138°	2.16
Y	Wed	07/12/17	24:00	27.00	738.00	42.40	1,729.08		31.12	0.017			142°	1.66
	Sat	07/15/17	24:00	26.50	742.00	42.60	1,736.56		24.08	0.013			241°	0.30
Y	Tue	07/18/17	24:00	28.40	742.00	42.50	1,733.27		29.22	0.016			143°	1.31
	Fri	07/21/17	24:00	26.20	737.00	42.40	1,730.02		106.34	0.061			135°	1.58
Y	Mon	07/24/17	24:00	23.70	742.00	42.80	1,746.72		88.50	0.050			95°	1.27
	Thu	07/27/17	24:00	25.90	739.00	42.50	1,732.88		56.04	0.032			22°	1.19
Y	Sun	07/30/17	24:00	26.40	746.00	43.10	1,759.13		24.82	0.014			288°	0.60
	Wed	08/02/17	24:00	27.20	741.00	42.70	1,739.99		68.69	0.039			257°	1.48
Y	Sat	08/05/17	24:00	25.10	741.00	42.90	1,747.80		17.06	0.010			271°	0.50
	Tue	08/08/17	24:00	25.30	745.00	42.80	1,745.14		19.53	0.011			284°	1.19
Y	Fri	08/11/17	24:00	22.20	741.00	43.00	1,753.21		47.97	0.027			314°	1.54
	Mon	08/14/17							q				149°	0.95
Y	Thu	08/17/17	24:00	26.40	734.00	18.90	769.54		40.51	0.053 r			205°	0.66
	Sun	08/20/17	24:00	27.10	741.00	0.00				s			139°	0.96
Y	Wed	08/23/17	24:00	22.50	742.00	42.80	1,743.72		19.65	0.011			307°	1.55
	Sat	08/26/17	24:00	22.40	745.00	42.90	1,750.58		102.51	0.059			130°	2.52
Y	Tue	08/29/17	24:00	23.60	742.00	42.80	1,747.18		47.49	0.027			10°	0.33
	Fri	09/01/17	24:00	18.70	743.00	43.20	1,763.40		306.36	0.174	0.070	0.04	117°	1.95
Y	Mon	09/04/17	24:00	21.50	736.00	42.70	1,741.57		20.32	0.012			276°	0.29
	Thu	09/07/17	24:00	20.00	742.00	43.10	1,757.54		27.46	0.016			287°	1.23
Y	Sun	09/10/17	24:00	19.40	749.00	43.60	1,777.73		147.68	0.083			128°	3.09
	Wed	09/13/17	24:00	23.70	734.00	42.30	1,725.49		230.70	0.134			112°	0.57
Y	Sat	09/16/17	24:00	27.20	741.00	42.40	1,727.13		32.19	0.019			139°	2.41
	Tue	09/19/17	24:00	23.70	738.00	42.50	1,733.19		248.15	0.143			122°	1.91
Y	Fri	09/22/17	24:00	29.10	741.00	42.20	1,721.30		94.85	0.055			147°	1.28
	Mon	09/25/17	24:00	28.10	739.00	42.20	1,720.79		76.86	0.045			145°	1.12
Y	Thu	09/28/17	24:00	17.70	748.00	43.80	1,786.68		41.30	0.023			278°	0.72
	Sun	10/01/17	24:00	18.70	743.00	43.70	1,782.23		55.43	0.031			129°	3.22

- a. Lab analysis by RTI International in Research Triangle Park, NC.
- b. Arithmetic average of all sampling events during the previous three calendar months.
- c. The requirement to analyze for, and report, ambient air arsenic concentrations was eliminated by USEPA as of September 27, 2016.
- q. The monitoring station did not operate because of a programming error. The filter was submitted for analysis as a field blank. A notation has been added to the laboratory report to identify this sample as a field blank.
- r. Brushes on sample motor failed during the sampling period resulting in a total sample volume of approximately 40% of normal.
- s. After repair and re-installation of the electric motor, the sample line was pinched off preventing flow to the filter. Because there was no flow the filter was not sent for analysis. A notation has been added to the lab report to identify the missing sample.



& ASSOCIATES, INC.

**Ambient Air Lead Monitoring Report
Behr Site**

**1100 SEMINARY STREET
ROCKFORD, ILLINOIS
SITE ID NO.: 201030AYB**

Report Date: October 27, 2017

APPENDIX A

USEPA Schedule of Lead Sampling Days for 2017

EPA Sampling Schedule 2017

Important Dates

Notes

3-Day schedule is shown in orange, green, and purple

6-Day schedule is shown in green and purple

12-Day schedule is shown in purple

January

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

February

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

March

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

April

S	M	T	W	T	F	S
			1			
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

May

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

June

S	M	T	W	T	F	S
			1	2	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

July

S	M	T	W	T	F	S
			1			
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

August

S	M	T	W	T	F	S
	1	2	3	4	5	
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

September

S	M	T	W	T	F	S
			1	2		
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

October

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

November

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

December

S	M	T	W	T	F	S
			1	2		
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						



& ASSOCIATES, INC.

**Ambient Air Lead Monitoring Report
Behr Site**

**1100 SEMINARY STREET
ROCKFORD, ILLINOIS
SITE ID NO.: 201030AYB**

Report Date: October 27, 2017

APPENDIX B

**RTI International Analytical Results
September 1 through October 1, 2017**

October 12, 2017

Andrew Setter
Behr Iron & Metal
1100 Seminary Street
Rockford, IL 61104

Dear Mr. Setter:

RTI International analyzed the TSP filter samples you provided in accordance with 40 CFR Part 50, Appendix G. The results are summarized below in Table 1.

Table 1. TSP Filter Results µg/Filter		
Filter ID	Date Collected	Lead
9446455	10/1/2017	55.4
9446456	9/28/2017	41.3
9446457	9/25/2017	76.9
9446458	9/22/2017	94.8
9446459	9/19/2017	248
9446460	9/16/2017	32.2
9446461	9/13/2017	231
9446462	9/10/2017	148
9446463	9/7/2017	27.5
9446464	9/4/2017	20.3
9446465	9/1/2017	306

Please refer to the attached spreadsheets “Behr Set 22 Report” and “2017 Pb TSP Audit Filters Q4” for quality control information. The remaining filter sections will be archived for two years. Please call me at 919-541-8762 or email me at fxw@rti.org if you have any questions.

Sincerely,

Frank Weber

Frank Weber
Laboratory Manager

cc: Project file 0215163.077.001
Lisa Bailey, RTI/ORC

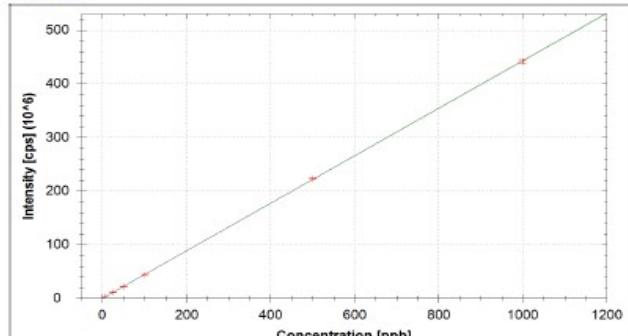
0215163.077.001 Set 22

Calibration Standards

	Lead µg/L	% Recovery
Calibration Blank	0.0147	n/a
5	5.28	106
25	25.2	101
50	49.4	99
100	98.5	98
500	504	101
1000	998	100

Initial and Continuing Calibration Verifications

	Lead µg/L	% Recovery
ICV	205	103
CCV1	203	102
CCV2	204	102
CCV3	202	101

208Pb**Initial and Continuing Calibration Blanks**

	Lead µg/L		
ICB	0.0273	<RL	RL=5µg/L
CCB1	0.0176	<RL	
CCB2	0.0155	<RL	
CCB3	0.0152	<RL	

Lower Level Calibration Verifications

	Lead µg/L	% Recovery
LLCV1	12.3	102
LLCV2	12.3	102

Reagent Blanks/Reagent Blank Spikes

	Lead µg/L	% Recovery
RB	0.014	<RL
RBS	255	102

Certified Reference Material

	Lead µg/L	Lead mg/kg	% Recovery	weight (g)	
CRM 2711	2210	994	85.6	0.0889	NIST 2711 Montana Soil
Filter Blank	1.63				Certified Value = 1162mg/kg

Matrix Duplicates

	Lead µg/filter	RPD
9446457	76.9	
9446457 Duplicate	77.5	0.871

Matrix Spikes

	Lead µg/filter	% Recovery
9446455	55.4	
9446455 Spike	166	92.2

Serial Dilutions

	Lead µg/filter	% Difference
9446459	248	
9446459 1:5	255	2.69

MDL Lead µg/filter
0.0832

TSP strips						
	Date	µg/L	final vol (L)	µg/strip	% Recovery	Actual
BAT-TSP-2017-01-355	7/11/2017	360	0.040	14.42	94	15.4
BAT-TSP-2017-02-318	7/11/2017	1483	0.040	59.31	89	66.7
BAT-TSP-2017-01-354	8/14/2017	384	0.040	15.38	100	15.4
BAT-TSP-2017-02-321	8/14/2017	1615	0.040	64.60	97	66.7
BAT-TSP-2017-01-356	9/7/2017	371	0.040	14.83	96	15.4
BAT-TSP-2017-02-322	9/7/2017	1587	0.040	63.48	95	66.7

TSP strips						
	Date	µg/L	final vol (L)	µg/strip	% Recovery	Actual
BAT-TSP-2017-01-352	10/11/2017	372	0.040	14.87	97	15.4
BAT-TSP-2017-02-323	10/11/2017	1683	0.040	67.31	101	66.7



**Ambient Air Lead Monitoring Report
Behr Site**

**1100 SEMINARY STREET
ROCKFORD, ILLINOIS
SITE ID NO.: 201030AYB**

Report Date: October 27, 2017

APPENDIX C

**Meteorological Station Data – Hourly Averages
September 1 through October 1, 2017**



Ambient Monitor Location with Respect to Site Emission Points and Site Boundaries

Summary of On-Site Hourly Meteorological Data
Ambient Air Sampling Days - September 1 through October 1, 2017
Behr Iron & Metal an Alter Company - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
09/01/17	1	767	56.4	1.14	10°	117°	1.95
	2	767	56.1	1.19	2°		
	3	766	55.7	1.02	358°		
	4	767	55.5	0.95	349°		
	5	767	55.8	0.90	1°		
	6	767	55.5	0.68	358°		
	7	767	55.8	0.68	114°		
	8	767	57.9	1.59	124°		
	9	768	60.1	4.02	131°		
	10	768	62.0	5.07	124°		
	11	767	64.5	5.31	124°		
	12	767	67.4	4.30	126°		
	13	767	69.1	3.88	121°		
	14	767	70.6	4.06	123°		
	15	766	71.6	3.12	119°		
	16	766	71.8	2.86	125°		
	17	766	71.5	3.68	124°		
	18	766	70.3	2.23	118°		
	19	766	67.7	3.44	125°		
	20	766	64.1	2.83	127°		
	21	766	61.4	2.20	131°		
	22	766	59.8	0.41	103°		
	23	766	58.2	0.70	3°		
	24	766	56.8	0.56	107°		
09/04/17	1	759	66.3	2.08	145°	276°	0.29
	2	759	66.0	1.97	140°		
	3	758	66.1	1.96	140°		
	4	758	66.3	2.48	142°		
	5	758	69.2	2.51	133°		
	6	757	70.2	3.78	121°		
	7	757	69.5	4.26	138°		
	8	756	70.1	3.38	143°		
	9	756	73.5	2.10	111°		
	10	756	75.6	0.87	99°		
	11	755	77.2	1.97	296°		
	12	755	75.7	3.73	283°		
	13	756	73.3	3.20	308°		
	14	756	73.3	2.35	299°		
	15	756	77.1	2.84	332°		
	16	756	78.3	2.30	331°		
	17	757	76.6	2.83	325°		
	18	757	74.5	2.41	323°		
	19	757	71.5	1.90	301°		
	20	757	68.7	1.76	319°		
	21	758	65.9	1.37	292°		
	22	758	63.7	1.75	287°		
	23	758	62.7	1.68	278°		
	24	758	62.4	2.18	289°		

Summary of On-Site Hourly Meteorological Data
Ambient Air Sampling Days - September 1 through October 1, 2017
Behr Iron & Metal an Alter Company - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
09/07/17	1	764	53.0	1.06	296°	287°	1.23
	2	764	52.4	1.12	302°		
	3	763	52.1	1.15	302°		
	4	763	52.8	0.40	303°		
	5	763	52.6	0.24	267°		
	6	763	51.6	0.40	279°		
	7	763	51.2	0.72	145°		
	8	764	52.0	0.70	287°		
	9	764	56.0	1.23	279°		
	10	764	62.0	1.78	284°		
	11	764	63.5	2.42	279°		
	12	764	66.8	2.41	299°		
	13	763	69.7	2.67	286°		
	14	763	68.2	2.61	296°		
	15	763	69.0	2.93	284°		
	16	763	69.6	3.09	288°		
	17	763	69.6	2.91	294°		
	18	763	68.2	2.41	299°		
	19	763	67.3	1.22	281°		
	20	763	65.0	0.72	279°		
	21	764	63.2	0.41	278°		
	22	764	62.6	0.26	154°		
	23	764	60.8	0.58	153°		
	24	764	59.2	1.00	136°		
09/10/17	1	772	58.1	2.81	121°	128°	3.09
	2	772	57.3	1.82	128°		
	3	772	56.1	1.24	132°		
	4	772	55.2	2.06	134°		
	5	772	54.6	2.07	131°		
	6	773	52.8	1.50	146°		
	7	773	51.2	1.47	138°		
	8	773	52.4	2.32	126°		
	9	774	56.6	3.16	129°		
	10	774	60.7	3.56	124°		
	11	774	64.3	3.99	125°		
	12	773	67.6	4.62	127°		
	13	773	69.2	4.60	127°		
	14	772	71.2	3.89	133°		
	15	772	72.2	3.39	134°		
	16	771	72.5	3.83	131°		
	17	771	72.8	3.96	126°		
	18	771	72.1	4.08	127°		
	19	771	70.7	4.23	128°		
	20	771	67.0	4.01	125°		
	21	771	63.0	4.49	124°		
	22	771	60.7	3.81	127°		
	23	771	59.4	2.96	127°		
	24	771	58.0	0.57	146°		

Summary of On-Site Hourly Meteorological Data
Ambient Air Sampling Days - September 1 through October 1, 2017
Behr Iron & Metal an Alter Company - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
09/13/17	1	758	58.2	0.08	233°	112°	0.57
	2	758	56.8	0.16	172°		
	3	758	55.5	0.28	250°		
	4	758	54.6	0.64	311°		
	5	758	53.8	0.59	306°		
	6	758	53.6	0.41	360°		
	7	758	52.7	0.51	304°		
	8	758	52.8	0.77	319°		
	9	758	58.6	0.98	343°		
	10	758	66.4	0.88	0°		
	11	757	73.0	1.02	339°		
	12	757	77.6	0.82	61°		
	13	756	80.3	0.88	88°		
	14	756	81.9	1.08	120°		
	15	756	83.1	1.26	104°		
	16	756	83.4	1.30	111°		
	17	755	83.1	1.06	116°		
	18	756	82.4	0.76	109°		
	19	756	80.1	1.43	124°		
	20	756	75.6	1.56	129°		
	21	756	72.3	2.85	124°		
	22	757	69.1	2.12	139°		
	23	757	66.6	2.06	140°		
	24	757	64.8	2.03	136°		
09/16/17	1	763	72.8	2.55	132°	139°	2.41
	2	763	71.4	2.39	133°		
	3	763	69.9	1.99	133°		
	4	763	68.5	2.10	132°		
	5	763	67.0	1.44	134°		
	6	763	65.9	1.31	139°		
	7	763	65.1	1.56	138°		
	8	764	66.0	1.59	143°		
	9	764	69.7	2.61	144°		
	10	764	74.4	3.08	146°		
	11	764	79.4	3.08	143°		
	12	764	83.1	3.47	141°		
	13	763	85.7	3.75	138°		
	14	763	86.5	4.07	138°		
	15	763	86.7	3.86	138°		
	16	763	87.0	3.62	129°		
	17	762	86.8	3.78	137°		
	18	762	85.8	3.52	145°		
	19	762	83.8	2.97	147°		
	20	762	81.0	1.72	140°		
	21	762	78.8	1.37	139°		
	22	763	77.0	1.34	143°		
	23	763	75.8	0.44	179°		
	24	763	73.3	0.46	150°		

Summary of On-Site Hourly Meteorological Data
Ambient Air Sampling Days - September 1 through October 1, 2017
Behr Iron & Metal an Alter Company - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
09/19/17	1	762	64.8	1.23	128°	122°	1.91
	2	762	64.4	2.48	128°		
	3	762	62.5	1.64	131°		
	4	761	62.1	0.14	21°		
	5	761	62.2	0.80	9°		
	6	761	62.4	0.59	5°		
	7	761	62.2	0.80	11°		
	8	761	62.0	0.36	291°		
	9	762	65.9	1.04	345°		
	10	762	69.0	0.62	61°		
	11	762	72.6	1.64	119°		
	12	761	75.0	1.53	100°		
	13	761	77.5	2.45	131°		
	14	761	79.4	2.43	127°		
	15	760	80.5	2.93	129°		
	16	760	80.5	2.86	133°		
	17	760	81.5	2.05	127°		
	18	759	81.1	3.58	127°		
	19	759	77.8	4.17	124°		
	20	759	75.0	4.27	123°		
	21	760	72.1	4.36	124°		
	22	760	69.7	3.70	122°		
	23	760	68.0	3.71	127°		
	24	760	66.7	2.88	132°		
09/22/17	1	762	76.6	1.34	144°	147°	1.28
	2	763	75.0	0.63	147°		
	3	763	74.2	1.04	145°		
	4	763	72.4	0.69	161°		
	5	763	72.5	0.57	154°		
	6	763	71.3	0.83	152°		
	7	763	72.0	1.41	142°		
	8	764	72.9	1.59	138°		
	9	764	76.9	2.29	141°		
	10	764	81.0	1.50	134°		
	11	764	85.0	2.31	138°		
	12	764	88.8	0.38	251°		
	13	763	91.0	1.26	289°		
	14	763	93.0	0.43	270°		
	15	763	94.0	1.89	146°		
	16	763	94.2	2.26	144°		
	17	762	93.8	3.23	142°		
	18	762	92.7	3.36	149°		
	19	762	90.6	2.46	140°		
	20	762	86.9	2.14	139°		
	21	763	83.3	0.82	148°		
	22	763	79.5	0.47	159°		
	23	763	78.2	0.87	149°		
	24	763	75.8	0.50	154°		

Summary of On-Site Hourly Meteorological Data
Ambient Air Sampling Days - September 1 through October 1, 2017
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Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
09/25/17	1	762	72.8	0.37	150°	145°	1.12
	2	762	70.3	0.15	270°		
	3	762	69.6	0.46	150°		
	4	762	70.3	0.87	151°		
	5	762	69.3	0.47	160°		
	6	762	68.3	0.48	175°		
	7	762	69.9	1.80	134°		
	8	763	70.4	1.74	137°		
	9	763	73.1	1.63	145°		
	10	763	75.4	0.53	198°		
	11	762	80.3	1.29	269°		
	12	762	88.4	0.92	267°		
	13	762	91.9	0.26	179°		
	14	761	92.0	0.94	266°		
	15	760	91.8	1.27	148°		
	16	760	91.5	3.72	135°		
	17	760	90.6	4.00	127°		
	18	760	89.8	3.96	127°		
	19	760	88.0	2.87	134°		
	20	760	84.8	2.10	143°		
	21	760	81.9	1.18	144°		
	22	760	77.9	0.33	167°		
	23	761	75.9	0.42	187°		
	24	761	76.1	1.14	150°		
09/28/17	1	767	52.7	0.80	320°	278°	0.72
	2	767	51.6	1.24	290°		
	3	767	50.7	1.12	301°		
	4	767	49.8	1.21	294°		
	5	768	49.2	1.07	284°		
	6	768	48.5	0.86	287°		
	7	768	48.0	0.67	277°		
	8	768	48.4	0.91	279°		
	9	768	54.9	0.96	299°		
	10	768	61.0	0.83	310°		
	11	768	64.7	1.17	280°		
	12	768	67.8	0.40	310°		
	13	768	70.1	0.62	302°		
	14	767	72.0	1.59	282°		
	15	766	73.8	1.52	281°		
	16	766	74.2	2.40	293°		
	17	765	74.6	2.18	273°		
	18	765	73.8	1.92	283°		
	19	765	70.4	0.87	279°		
	20	765	65.9	0.06	197°		
	21	765	63.2	0.51	137°		
	22	765	61.2	1.15	141°		
	23	765	60.0	1.72	140°		
	24	765	61.3	2.39	139°		

Summary of On-Site Hourly Meteorological Data
Ambient Air Sampling Days - September 1 through October 1, 2017
Behr Iron & Metal an Alter Company - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
10/01/17	1	770	55.1	3.25	120°	129°	3.22
	2	769	53.7	2.78	133°		
	3	769	52.7	2.12	136°		
	4	769	51.7	2.05	131°		
	5	769	50.4	1.60	135°		
	6	769	50.0	1.81	137°		
	7	769	49.6	1.79	138°		
	8	769	49.6	2.01	130°		
	9	769	52.1	2.76	123°		
	10	768	55.8	3.03	127°		
	11	768	60.9	4.10	135°		
	12	768	63.6	3.82	134°		
	13	767	66.2	4.72	134°		
	14	766	68.4	5.23	131°		
	15	766	69.5	4.30	131°		
	16	765	69.8	4.41	133°		
	17	765	70.1	3.98	124°		
	18	765	69.5	4.52	123°		
	19	765	67.5	2.72	124°		
	20	764	65.6	3.06	123°		
	21	764	63.9	3.62	121°		
	22	764	62.4	3.97	123°		
	23	764	61.1	2.86	125°		
	24	764	61.0	3.05	126°		